

2016500

Revision: 20.01.2017
Printing date: 20.01.2017

01 Identification of the substance/mixture and of the company/undertaking

- Product identifier
- Trade name:
Boc-D-Phe-Pro-OSu
- Article number:
new: 4016434 old: A-3095
- CAS Number:
148980-30-7
- Relevant identified uses of the substance or mixture and uses advised against
- Application of the substance / the preparation
Laboratory chemicals
- Details of the supplier of the safety data sheet
- Manufacturer/Supplier:
Bachem AG
Hauptstrasse 144
CH-4416 Bubendorf
Switzerland
E-mail msds@bachem.com
Tel +41 58 595 2021
Fax +41 58 595 2040
- Further information obtainable from:
Department: Marketing
- Emergency telephone number:
+41 44 251 51 51 (Tox Info Suisse)

02 Hazards identification

- Classification of the substance or mixture
- Classification according to Regulation (EC) No 1272/2008



GHS08

Repr. 1B - H360D May damage the unborn child.



GHS07

Acute Tox. 4 - H312 Harmful in contact with skin.
Acute Tox. 4 - H332 Harmful if inhaled.
Eye Irrit. 2 - H319 Causes serious eye irritation.

- Label elements
- Labelling according to Regulation (EC) No 1272/2008



GHS08



GHS07

- Signal word
Danger
- Hazard statements
H360D May damage the unborn child.
H312+H332 Harmful in contact with skin or if inhaled.
H319 Causes serious eye irritation.
- Precautionary statements

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- P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
 P264 Wash thoroughly after handling.
 P271 Use only outdoors or in a well-ventilated area.
 P280 Wear protective gloves/protective clothing/eye protection/face protection.
 P302+P352 IF ON SKIN: Wash with plenty of water.
 P501 Dispose of contents/container in accordance with local/regional/ national/international regulations.
- Other hazards
 - Results of PBT and vPvB assessment
 - PBT:
Not applicable.
 - vPvB:
Not applicable.

03 Composition/information on ingredients

- Chemical characterization: Substances
- | CAS No. | Description |
|----------------|--------------------|
| 148980-30-7 | Boc-D-Phe-Pro-OSu |
- Identification number(s)
 - EC number:
-
 - RTECS Number:
-
 - Impurities and stabilising additives:
5% = < N,N-dimethylformamide (CAS-No. 68-12-2) < 15%

04 First aid measures

- Description of first aid measures
- After inhalation:
Supply fresh air; consult doctor in case of complaints.
- After eye contact:
Rinse opened eye for several minutes under running water.
- After swallowing:
Call a doctor immediately.
- Information for doctor:
- Most important symptoms and effects, both acute and delayed
No further relevant information available.
- Indication of any immediate medical attention and special treatment needed
No further relevant information available.

05 Firefighting measures

- Extinguishing media
- Suitable extinguishing agents:
CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- Special hazards arising from the substance or mixture
No further relevant information available.
- Advice for firefighters
- Protective equipment:
No special measures required.

06 Accidental release measures

- Personal precautions, protective equipment and emergency procedures
- Environmental precautions:
Do not allow to enter sewers/ surface or ground water.
- Methods and material for containment and cleaning up:
Pick up mechanically.

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- Reference to other sections

07 Handling and storage

- Handling:
 - Precautions for safe handling
Open and handle receptacle with care.
Prevent formation of dust.
 - Information about fire - and explosion protection:
Keep respiratory protective device available.
- Conditions for safe storage, including any incompatibilities
- Storage:
 - Requirements to be met by storerooms and receptacles:
No special requirements.
 - Information about storage in one common storage facility:
Store away from foodstuffs.
 - Further information about storage conditions:
Store in dry conditions.
 - Recommended storage temperature:
< -15 °C
 - Specific end use(s)
No further relevant information available.

08 Exposure controls/personal protection

- Control parameters
- Ingredients with limit values that require monitoring at the workplace:
- Additional information:
The lists valid during the making were used as basis.
- Exposure controls
- Personal protective equipment:
 - General protective and hygienic measures:
Store protective clothing separately.
 - Respiratory protection:
In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.
 - Protection of hands:
The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation
Protective gloves
 - Material of gloves
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.
 - Penetration time of glove material
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
 - Eye protection:
Safety glasses

09 Physical and chemical properties

Information on basic physical and chemical properties

General Information

Appearance:

Form: Powder

Colour: White

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| | |
|--|--|
| Odour: | Nearly odourless |
| Odour threshold: | Not determined. |
| pH-value: | Not determined. |
| Change in condition | |
| Melting point/Melting range: | 103 °C |
| Boiling point/Boiling range: | Undetermined. |
| Flash point: | Not applicable. |
| Flammability (solid, gaseous): | Not applicable. |
| Ignition temperature: | |
| Decomposition temperature: | Not determined. |
| Self-igniting: | Not determined. |
| Danger of explosion: | Not determined. |
| Explosion limits: | |
| Lower: | Not determined. |
| Upper: | Not determined. |
| Vapour pressure: | Not determined. |
| Density: | Not determined. |
| Solubility in / Miscibility with water: | |
| | Not determined. |
| Viscosity: | |
| Dynamic: | Not determined. |
| Kinematic: | Not determined. |
| Other information | No further relevant information available. |

10 Stability and reactivity

- Reactivity
- Chemical stability
- Thermal decomposition / conditions to be avoided:
No decomposition if used according to specifications.
- Possibility of hazardous reactions
No dangerous reactions known.
- Conditions to avoid
No further relevant information available.
- Incompatible materials:
No further relevant information available.
- Hazardous decomposition products:
No dangerous decomposition products known.

11 Toxicological information

- Information on toxicological effects
- Acute toxicity:
No further relevant information available.
- Primary irritant effect:
- on the skin:
No further relevant information available.
- on the eye:
No further relevant information available.
- Sensitization:
No sensitising effects known.
- CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)
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12 Ecological information

- Toxicity
- Aquatic toxicity:
No further relevant information available.
- Persistence and degradability
No further relevant information available.
- Behaviour in environmental systems:
- Bioaccumulative potential
No further relevant information available.
- Mobility in soil
No further relevant information available.
- Additional ecological information:
- General notes:
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
- Results of PBT and vPvB assessment
- PBT:
Not applicable.
- vPvB:
Not applicable.
- Other adverse effects
No further relevant information available.

13 Disposal considerations

- Waste treatment methods
- Uncleaned packaging:
- Recommendation:
Disposal must be made according to official regulations.

14 Transport information

- UN-Number
ADR Void
IMDG Void
IATA Void
- UN proper shipping name
ADR Void
IMDG Void
IATA Void
- Transport hazard class(es)
ADR
Class Void
IMDG
Class Void
IATA
Class Void
- Packing group
ADR Void
IMDG Void
IATA Void
- Environmental hazards:
Not applicable.
- Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code
Not applicable.
- Transport/Additional information:

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Not applicable.

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15 Regulatory information

- Safety, health and environmental regulations/legislation specific for the substance or mixture
- National regulations:
- Waterhazard class:
Water hazard class 1 (Self-assessment): slightly hazardous for water.
- Chemical safety assessment:
A Chemical Safety Assessment has not been carried out.

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- Department issuing MSDS:
Department: Marketing
- Abbreviations and acronyms:
 ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
 RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
 IMDG: International Maritime Code for Dangerous Goods
 IATA: International Air Transport Association
 IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)
 ICAO: International Civil Aviation Organisation
 ICAO-TI: Technical Instructions by the "International Civil Aviation Organisation" (ICAO)
 EINECS: European Inventory of Existing Commercial Chemical Substances
 CAS: Chemical Abstracts Service (division of the American Chemical Society)
 RTECS: Registry of Toxic Effects of Chemical Substances
 WGK: Wassergefährdungsklasse
- * Data compared to the previous version altered.